BRUHAT BENGALURU MAHANAGARA PALIKE

Name of work : Construction and improvements of culverts in ward no. 08 Kodigehalli

Ward No.08				Estimated Cost Rs:	2500000.00

Sl No	Description of work	No	Dimensions L	B	D	Qty	Rate	Unit	Amount
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	KSRRB M 200-12.1. Dismantling of existing structures like culverts, bridges retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled materials, disposal of unserviceable material and stacking the serviceable materail with all lifts complete as per specifications (page No. 137, item No. 18.17)								
	Existing Culverts behind G.R. Kalyana Mantapa	6	7.00	1.50	0.20	12.60			
	Balaji Layout	7	6.00	1.50	0.20	12.60			
	Badrappa Layout	7	6.00	1.50	0.20	12.60			
	Lottegollahalli	7	6.00	1.50	0.20	12.60			
	Kodigehalli	7	6.00	1.50	0.20	12.60			
					Total	**63.00**	**327.54**	**Cum**	**20635.00**
	Basic Rate	309.00							
	Add AW 6%	18.54							
	Total	**327.54**							
2	Dismantling size stone masonry in clay mortar and stacking the size stone within a radius of 50m and removing the debris to a distance upto 200m. **(P-258,It.37.48)**								
	Existing Culverts behind G.R. Kalyana Mantapa	12	7.00	0.60	0.60	30.24			
	Balaji Layout	14	6.00	0.60	0.60	30.24			
	Badrappa	14	6.00	0.60	0.60	30.24			
	Lottegollahalli	14	6.00	0.60	0.60	30.24			
	Kodigehalli	14	6.00	0.60	0.60	30.24			
						151.20			

	Deduction for Missing (40%)					60.48			
					Total	90.72	182.32	Cum	16540.00
	Basic Rate	172.00							
	Add AW 6%	10.32							
	Total	**182.32**							
3	KSRB 4-1.3:Providing and layingi n position plain cement concrete of mix M7.5 with OPC cement @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation and plinth including cost of all materials, labour, HOM of machienry, curing complete as per specifications. Specification No.KBS 4.1, 4.2 **PWD SR 2016-17 (P-12, It.4.3)**								
	Existing Culverts behind G.R. Kalyana	6	7.00	1.80	0.15	11.34			
	Balaji Layout	7	6.00	1.80	0.15	11.34			
	Badrappa	7	6.00	1.80	0.15	11.34			
	Lottegollahalli	7	6.00	1.80	0.15	11.34			
	Kodigehalli	7	6.00	1.80	0.15	11.34			
					Total	56.70	5159.02	Cum	292516.00
	Basic Rate	4867.00							
	Add AW 6%	292.02							
	Total	**5159.02**							
4	Reconstruction of size stone masonry with available stones in C.M 1:6 as per direction of the Engineer-in-charge.								
					Qty of It No 5	90.72			
					Total	90.72	2701.94	Cum	245120.00
	Basic Rate	4187.00	A						
	Deduct Cost Of Stone	**1365.00**	B						
	Deduct over head charges	**136.50**	C						
	Deduct 10% contractor profiton B	**136.50**	D						
	Total	**2549.00**	A-(B+C+D)						
	Add AW 6%	**152.94**							
	Total	**2701.94**							

5	KSRB 5.2-3:Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6 stone hammered dressed in courses not less than 20 cms high, bond stones at two m, apart in each course including cost of materials, labour, curing complete as per specifications. **PWD SR 2015-16 (P-23, It5.6)**								
	Existing Culverts behind G.R. Kalyana	12	7.00	0.45	0.60	22.68			
	Balaji Layout	14	6.00	0.45	0.60	22.68			
	Badrappa	14	6.00	0.45	0.60	22.68			
	Lottegollahalli	14	6.00	0.45	0.60	22.68			
	Kodigehalli	14	6.00	0.45	0.60	22.68			
					Total	113.40			
Deduct available stone qty						90.72			
	Basic Rate	4187.00			**Total**	**22.68**	4521.96	Cum	**102558.00**
	Add AW 8%	334.96							
	Total	**4521.96**							
6	KSRB 4-1.6:Providing and laying in position plain cement concrete of mix M15 with cement @ 240 Kgs, with 20mm and down size graded granite metal coarse aggregtes @ 0.878 cum and line aggregates @ 0.459 cum,machine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No.KBS 4.1, 4.2 **PWD SR 2016-17 (P-12, It.4.6)**								
	Slope								
	Culverts behind G.R. Kalyana	12	7.00	0.45	0.10	3.78			
	Balaji Layout	14	6.00	0.45	0.10	3.78			
	Badrappa	14	6.00	0.45	0.10	3.78			
	Lottegollahalli	14	6.00	0.45	0.10	3.78			
	Kodigehalli	14	6.00	0.45	0.10	3.78			
	For Slope concrete								
	Culverts behind G.R. Kalyana	12	7.00	0.30	0.15	3.78			
	Balaji Layout	14	6.00	0.30	0.15	3.78			
	Badrappa	14	6.00	0.30	0.15	3.78			

	Lottegollahalli	14	6.00	0.30	0.10	2.52			
	Kodigehalli	14	6.00	0.30	0.10	2.52			
	Basic Rate:	5441.00				**35.28**	**5767.46**	**Cum**	**203476.00**
	Add AW 6%	326.46							
	Total	**5767.46**							
7	*Providing and fixing 25 cm thick pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20 mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing comlete as per specification* ***(Data Rate Approved)***								
	Culverts behind G.R. Kalyana	70	1.50	0.60		63.00			
	Balaji Layout	70	1.50	0.60		63.00			
	Badrappa	70	1.50	0.60		63.00			
	Lottegollahalli	70	1.50	0.60		63.00			
	Kodigehalli	70	1.50	0.60		63.00			
					Total	**315.00**	**5111.00**	**Sqm**	**1609965.00**
	Data Rate	**5111.00**							
8	*KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/sand/.kanker/moorum. KSRRB M100-1:Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 PWD SR 2013-14* ***(P-144 & 133, It.No. 17.1)***								
	Qty Vide Item.1					63.00			
					Total	**63.00**	**106.00**	**Cum**	**6678.00**
	Basic Rate	68.00							
	Conveying for 10Km 10 x 1.28 x 2.5	32.00							

	Sub total	100.00							
	Add AW 6%	6.00							
	Total	106.00							
9	Miscellaneous & Rounding off:							L/S	2512.00
								Grand Total Rs:	2500000.00

(RS. FOURTY LAKHS ONLY)

CERTIFICATE:

1. The work spot has been inspected and found to be necessary
2. The work spot comes under BBMP Limits
3. The provisions made in the estimate are necessary and minimum
4. The estimate is based on CSR of 2016-17.

Assistant Engineer
Ward No.08

Assistant Executive Engineer
Kodigehalli Sub-Division
Bruhat Bengaluru Mahanagara Palike

Executive Engineer 01/06
Byatarayanapura Division
Bruhat Bengaluru Mahanagara Palike

01/06

Administrative Approval
Accorded For 25. w laiche only
Head of A/C 1771
CER NO:TS/12/18-19 Dt: 08.6.18

TA CE (YNK)

Technical Sanction
Accorded For 25. w laiche
Head of A/C 1771
CER NO :TS/12/18-19 Dt: 21.06.18

TA CE (YNK)